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TITLE: Server architecture for segregation of dynamic content generation applications into separate process spaces

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INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Allard; James E.	Seattle	WA		
Anders; Mark T.	Bellevue	WA		
Jin; Lei	Newcastle	WA		
Kaplan; David L.	Mercer Island	WA		
Krishnan; Murali R.	Redmond	WA		
Pollack; Seth B.	Seattle	WA		
Sigal; Andrew	Seattle	WA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Microsoft Corporation	Redmond	WA			02

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PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>5421013</u>	May 1995	Smith	709/107
<input type="checkbox"/>	<u>5548726</u>	August 1996	Pettus	709/221
<input type="checkbox"/>	<u>5651006</u>	July 1997	Fujino et al.	370/408
<input type="checkbox"/>	<u>5701451</u>	December 1997	Rogers et al.	707/1
<input type="checkbox"/>	<u>5758343</u>	May 1998	Vigil et al.	707/10
<input type="checkbox"/>	<u>5894554</u>	April 1999	Lowery et al.	707/10

ART-UNIT: 278

PRIMARY-EXAMINER: Vu; Viet D.

ATTY-AGENT-FIRM: Lee & Hayes, PLLC

ABSTRACT:

A server architecture has a server program to receive client requests and multiple applications to process the requests. Each application comprises a collection of agents that can be invoked to process the requests and an application manager that manages the collection of agents. The agents within the associated collection are independent from, but dynamically accessible by, the application manager. Depending on the request, the application manager selects one or more agents to generate content to be returned to the client. An application manager director manages the application managers and facilitates delivery of the client requests from the server program to the suitable application. The application managers are independent from, but dynamically accessible by, the application manager director. For a given request, the director selects the appropriate application manager to handle the request. The application manager, in turn, selects the appropriate agent to process the request. The director can be implemented as part of the server program. The applications, including the agents and associated application managers, can be run either in-process or out-of-process with the server program.

30 Claims, 8 Drawing figures